

1. (currently amended): A method for the production of a digital colour catalogue, which comprises
  - a) drawing up a requirement profile for the desired dyeing,
  - b) selecting a group of dyes that meet the requirement profile that has been drawn up,
  - c) determining within ~~the~~ a colour space the colour position of ~~the said~~ dyes for the desired dyeing,
  - d) segmenting the colour space of the dyes within a depth of shade plane into triangular areas according to shade, wherein the corner points of the triangular areas correspond to the colour position of the dyes in question, and the said dyes define a range of shades delimited by the triangular areas,
  - e) dividing the triangular areas within a depth of shade plane arithmetically into a grid in such a manner that the points of intersection of the grid are distributed evenly over the triangular areas, where the points of intersection of the grid correspond to a colour position and a reflectance curve calculated on the basis of a dye recipe is associated with each of those colour positions, and
  - f) ~~if desired~~ optionally visualising the reflectance curves associated with the colour positions by means of a suitable medium.
2. (original): A method according to claim 1, wherein a computer is used to implement Steps c), d), e) and f).
3. (currently amended): A method according to ~~either claim 1 or claim 2~~, wherein a computer is used to store and manage the data obtained.
4. (currently amended): A method according to ~~any one of claims 1 to 3~~ claim 1, wherein the  $FTa^*b^*$  colour space is used as colour space.
5. (currently amended): A method according to ~~any one of claims 1 to 4~~ claim 1, wherein the desired dyeing is a dyeing on leather or on a textile fibre material, ~~preferably on a textile fibre material~~.
6. (currently amended): A method according to ~~any one of claims 1 to 5~~ claim 1, wherein the dyes are disperse dyes, acid dyes, metal complex dyes, reactive dyes, vat dyes, sulfur dyes, direct dyes or pigments, or cationic dyes, natural dyes, developing dyes or food dyes.
7. (currently amended): A digital colour catalogue obtained according to the method of claim 1 ~~any one of claims 1 to 6~~.

8. (currently amended): ~~Use of a digital colour catalogue according to claim 7~~ A method for the production of a dyeing on leather or on a textile fibre material, ~~preferably on a textile fibre material~~ which comprises determining the amounts of dyes to employ from a digital colour catalogue according to claim 7.

9. (new): A method according to claim 1, wherein the desired dyeing is a dyeing on a textile fibre material.